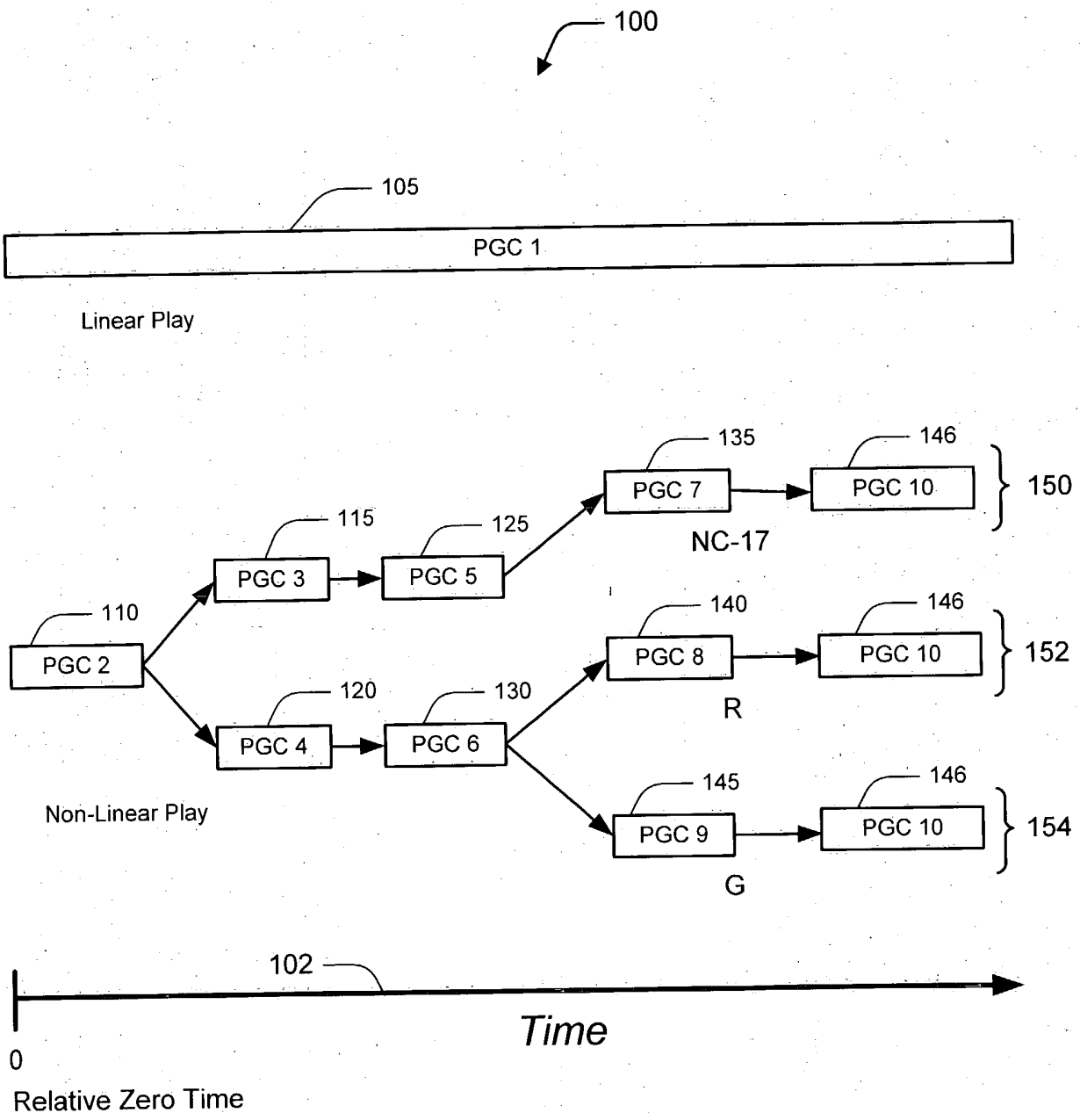

Fig. 1
(Prior Art)

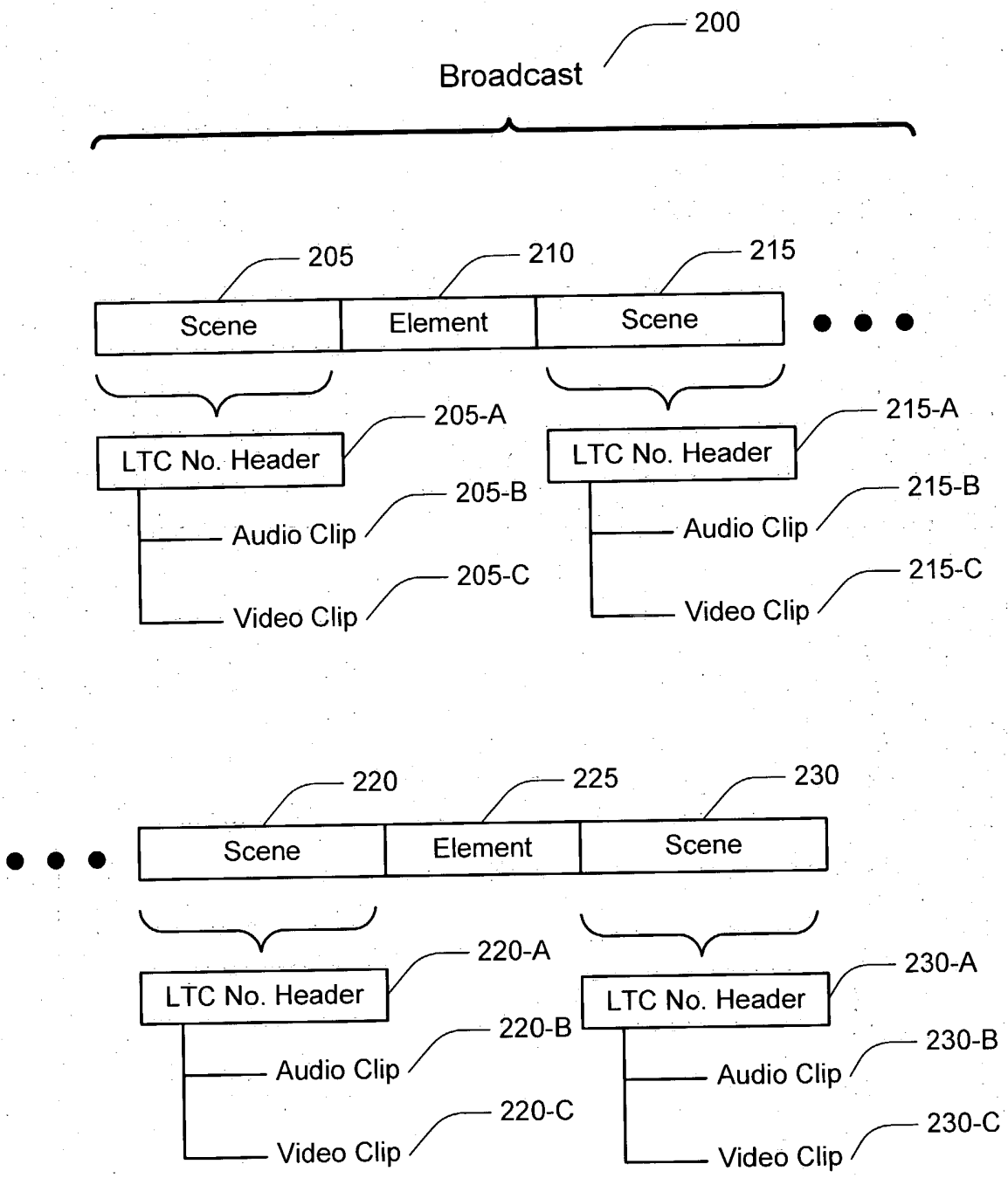

Fig. 2

(Prior Art)

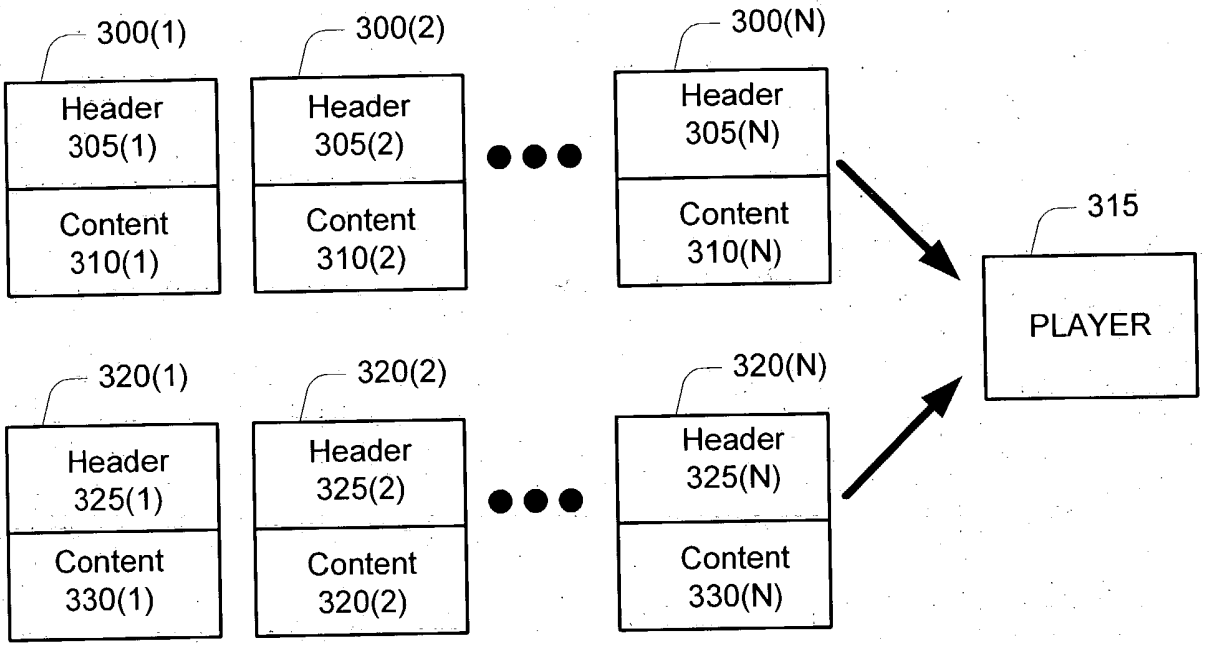
300(1)
Header 305(1)
Content 310(1)
300(2)
Header 305(2)
Content 310(2)
300(N)
Header 305(N)
Content 310(N)
315
PLAYER
320(1)
Header 325(1)
Content 330(1)
320(2)
Header 325(2)
Content 320(2)
320(N)
Header 325(N)
Content 330(N)

Fig. 3A

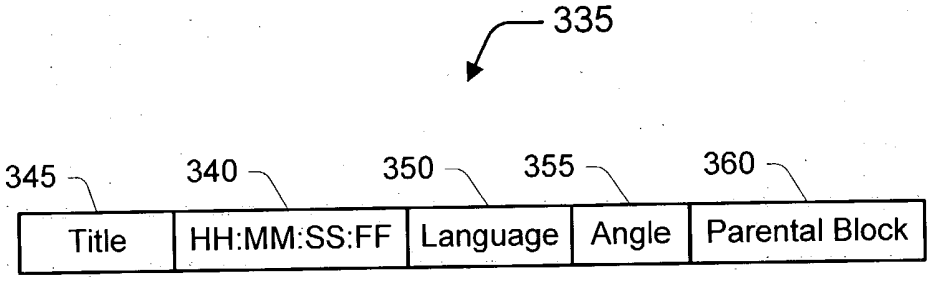
335
345
Title
340
HH:MM:SS:FF
350
Language
355
Angle
360
Parental Block

Fig. 3B

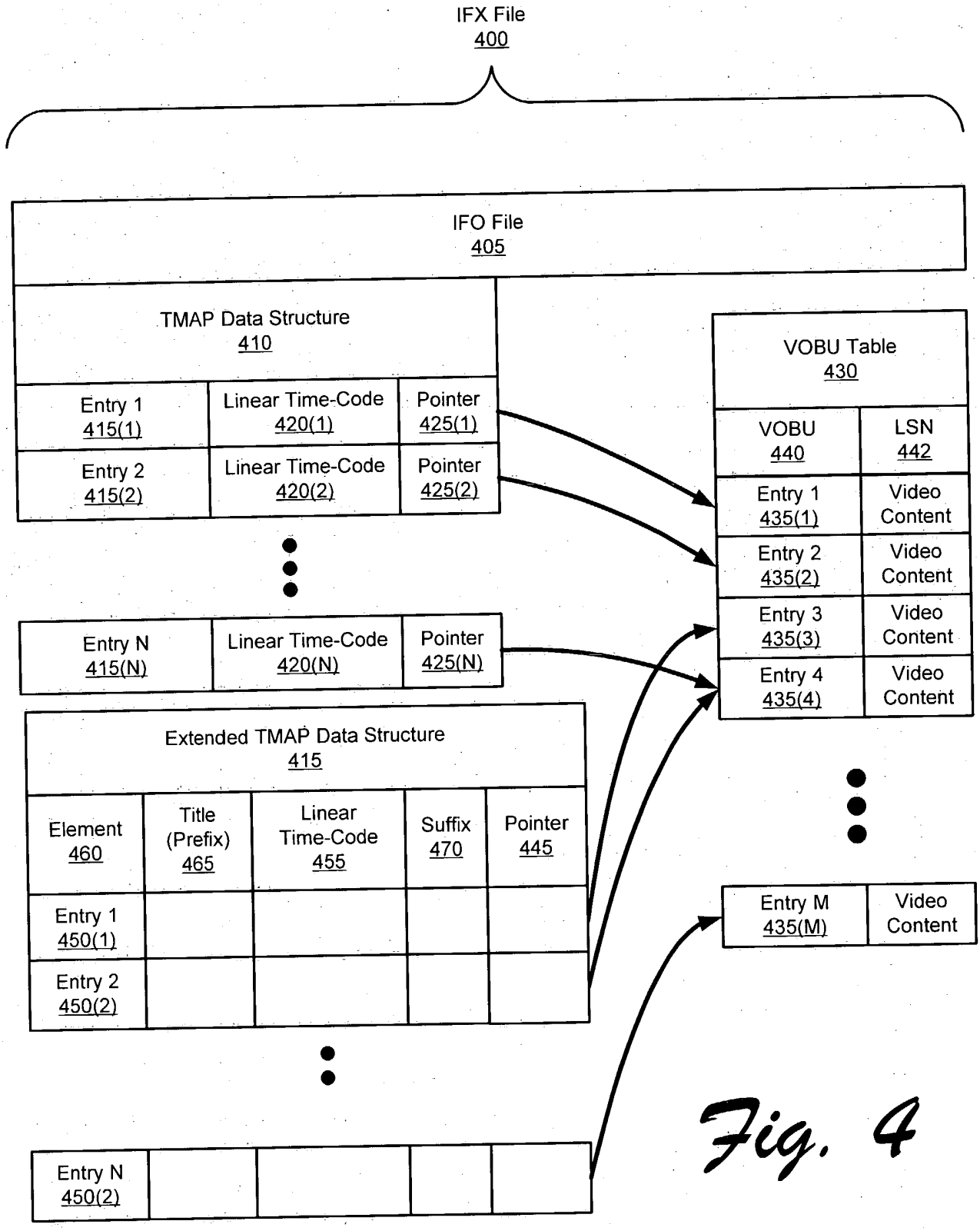
IFX File
400
IFO File
405
TMAP Data Structure
410
Entry 1
415(1)
Linear Time-Code
420(1)
Pointer
425(1)
Entry 2
415(2)
Linear Time-Code
420(2)
Pointer
425(2)
Entry N
415(N)
Linear Time-Code
420(N)
Pointer
425(N)
VOBU Table
430
VOBU
440
LSN
442
Entry 1
435(1)
Video Content
Entry 2
435(2)
Video Content
Entry 3
435(3)
Video Content
Entry 4
435(4)
Video Content
Entry M
435(M)
Video Content
Extended TMAP Data Structure
415
Element
460
Title (Prefix)
465
Linear Time-Code
455
Suffix
470
Pointer
445
Entry 1
450(1)
Entry 2
450(2)
Entry N
450(2)

Fig. 4

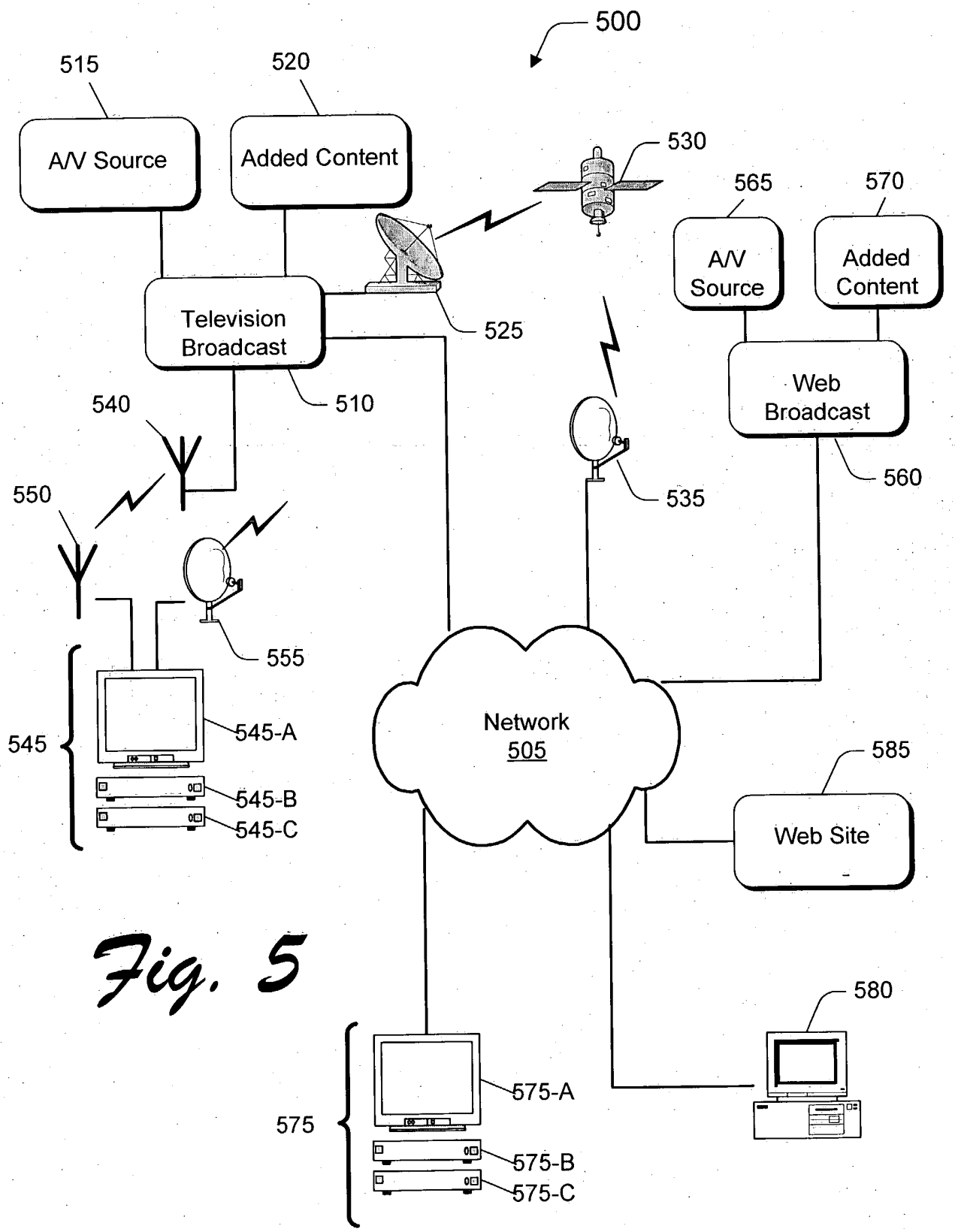
500
515
520
A/V Source
Added Content
530
565
570
A/V Source
Added Content
Television Broadcast
525
Web Broadcast
510
540
560
550
535
555
545
545-A
545-B
545-C
Network 505
585
Web Site
580
575
575-A
575-B
575-C

Fig. 5

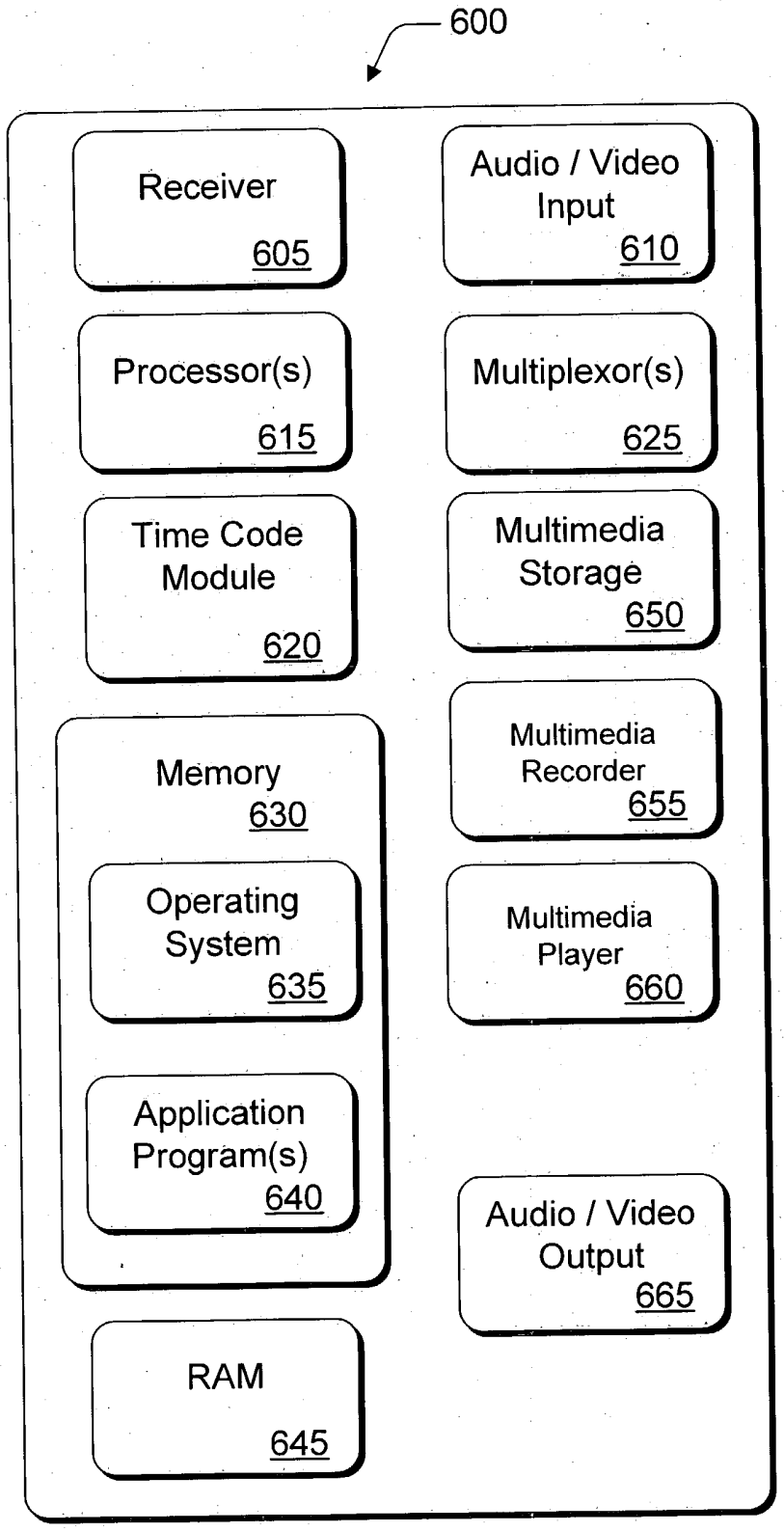
600
Receiver
605
Audio / Video Input
610
Processor(s)
615
Multiplexor(s)
625
Time Code Module
620
Multimedia Storage
650
Memory
630
Multimedia Recorder
655
Operating System
635
Multimedia Player
660
Application Program(s)
640
Audio / Video Output
665
RAM
645

Fig. 6

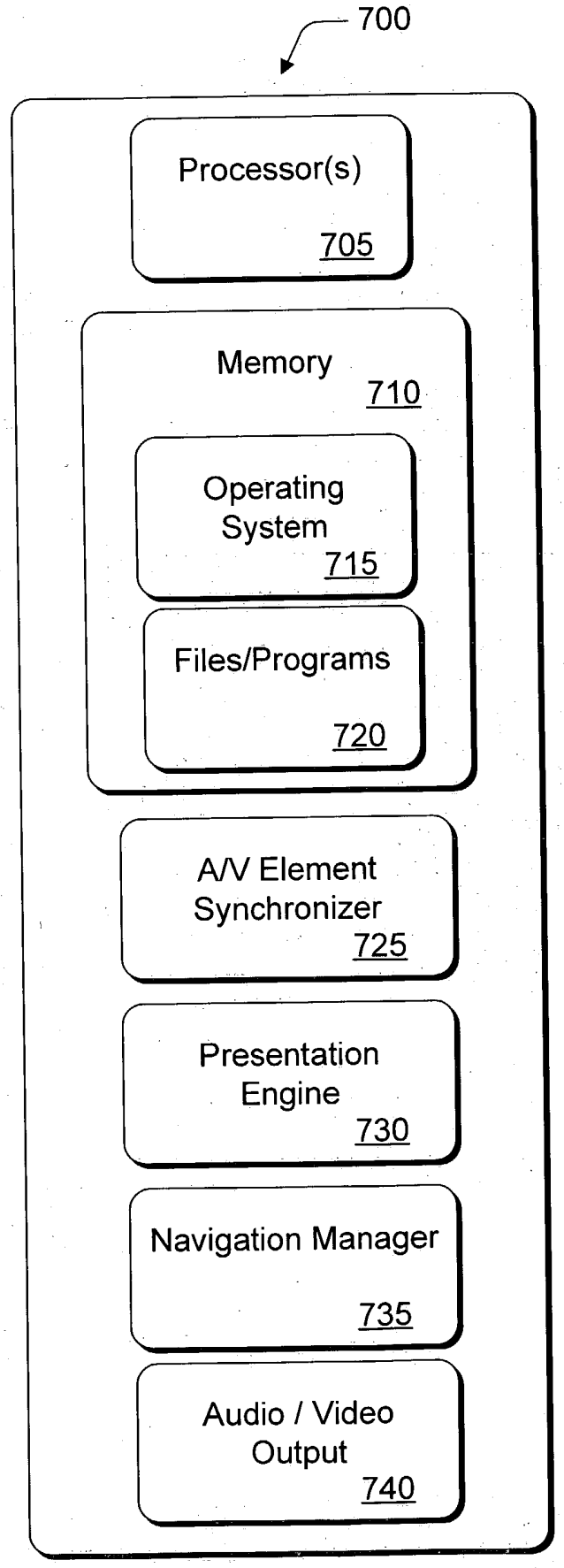
700
Processor(s)
705
Memory
710
Operating System
715
Files/Programs
720
A/V Element Synchronizer
725
Presentation Engine
730
Navigation Manager
735
Audio / Video Output
740

Fig. 7

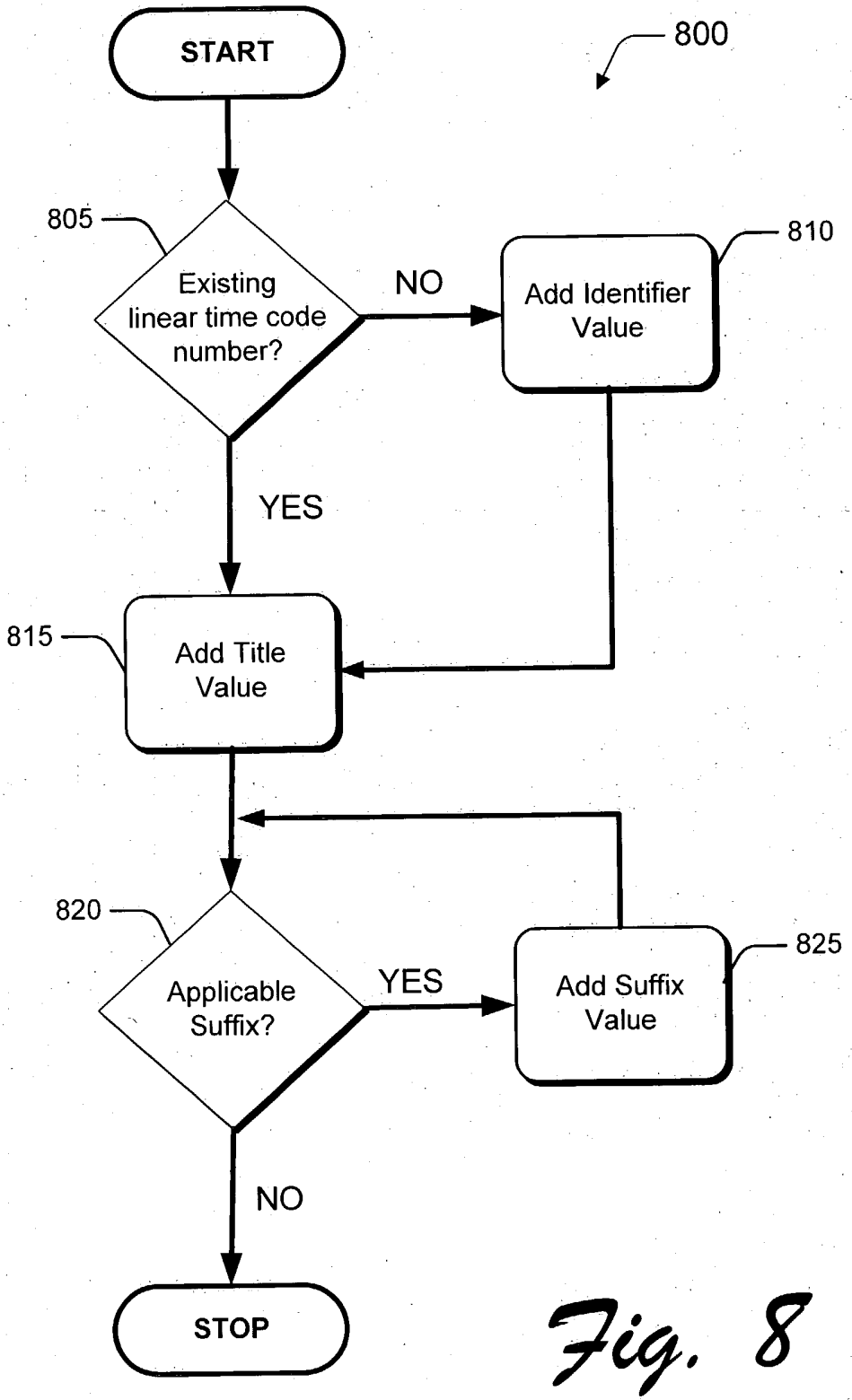
START
800
805
Existing linear time code number?
NO
810
Add Identifier Value
YES
815
Add Title Value
820
Applicable Suffix?
YES
825
Add Suffix Value
NO
STOP

Fig. 8

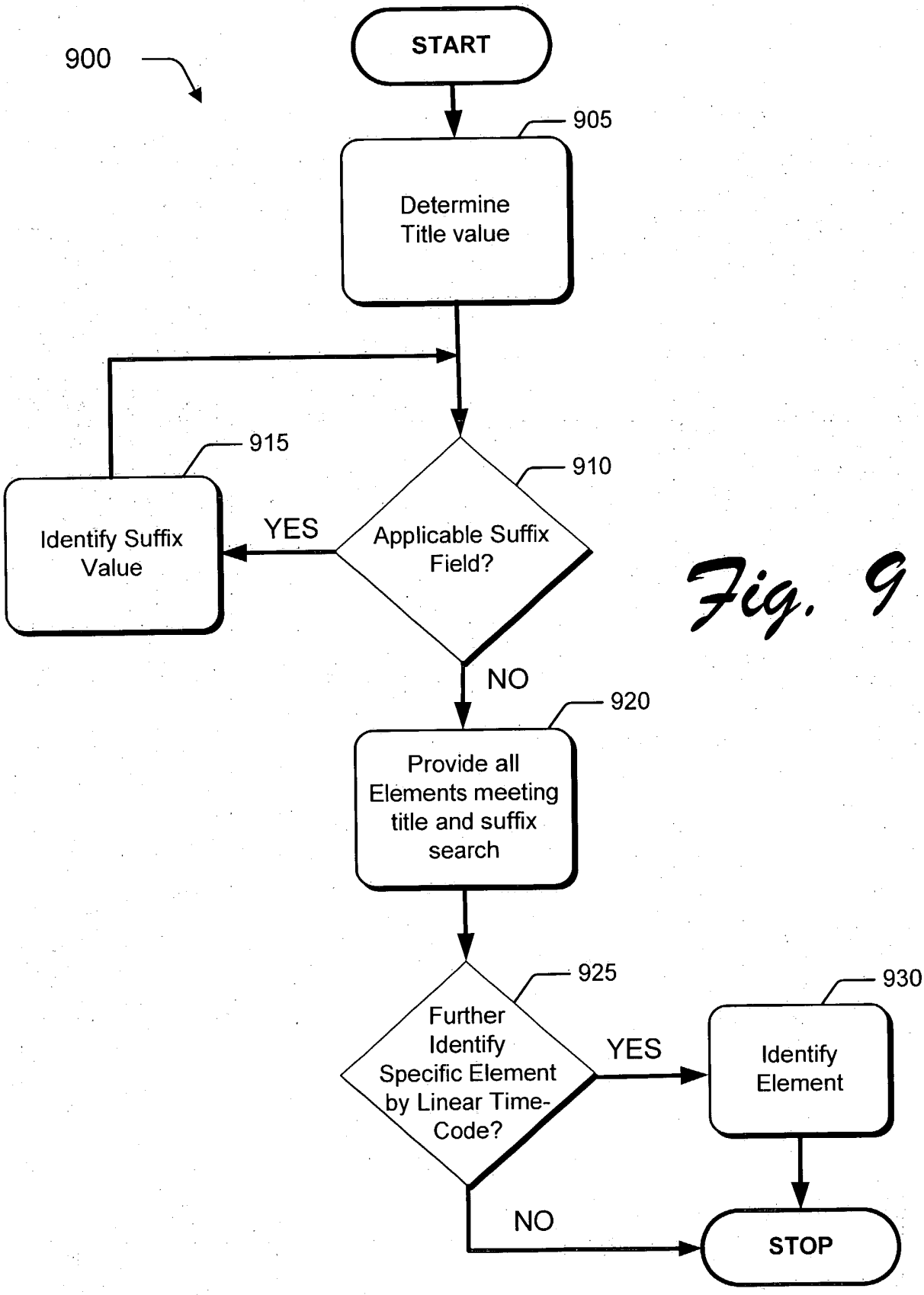
900
START
905
Determine Title value
915
910
Identify Suffix Value
YES
Applicable Suffix Field?
NO
920
Provide all Elements meeting title and suffix search
925
Further Identify Specific Element by Linear Time-Code?
YES
930
Identify Element
NO
STOP

Fig. 9